

environment described in the Background of the Invention.

It is to be understood that as further advances in component miniaturization and standardized protocols evolve, other implementations of the secure interlink receiver system of this invention using the format of a smart card will become apparent.

While, in the foregoing, embodiment of the present invention have been set forth in considerable detail for the purposes of making a complete disclosure of the invention, it may be apparent to those of skill in the art that numerous changes may be made in such detail without departing from the spirit and principles of the invention.

CLAIMS

1. An interlink receiver system for encoding wireless phone units with security codes comprising:

a host computer;

an interlink receiver unit remote from the host computer having a communication system secure from a user of the interlink receiver system that communicates with the host computer, wherein the host computer has a communication system that is adapted to communicate with the interlink receiver unit, and a computer program for effecting the exchange of data between the host computer and the interlink receiver unit wherein the interlink receiver unit has a secure memory with a security code kernal that enables identification of the interlink receiver unit;

a communication pathway between the interlink receiver unit to a wireless phone unit connected to the interlink receiver unit; and, authentication means in the interlink receiver unit that authenticates the interlink receiver unit using the stored authentication code of the interlink receiver unit before exchanging code or data with a connected wireless phone unit, and, cooperative authentication means in the host computer secure from a user of the interlink receiver unit for authenticating the interlink receiver unit and authorizing exchange of data or code between the host computer and the interlink receiver unit.

2. The interlink receiver system of claim 1 wherein the host computer has data in the form of security codes and program means for transferring data or code when the interlink receiver unit is in communication with the host computer.

3. The interlink receiver system of claim 1 wherein the interlink receiver unit is in the form of a smart card.

4. An interlink receiver unit for activating security codes in wireless phone units under control of a remote host computer, the interlink receiver unit comprising:

internal electronic control circuitry means contained within the interlink receiver unit and secure from a user of the interlink receiver unit for controlling the operation of the interlink receiver unit;

a protected memory in the internal electronic control circuitry means with stored security code data secure from a user of the interlink receiver unit wherein the stored security code data includes data to identify and authenticate the interlink receiver unit;

communication means operable by the control circuitry for exchanging data between the interlink receiver unit and the host computer;

communication means operable by the control circuitry for exchanging data between the interlink receiver unit and a wireless phone unit in communication with the interlink receiver unit after authentication of the interlink receiver unit by the host computer; and,

data transfer means for transferring activation commands to the wireless phone unit in communication with the interlink receiver unit on command by the host computer.

5. The interlink receiver unit of claim 4 wherein the interlink receiver unit is in the form of a smart card.